

1701.

Ephemerides

Apollo Anglicanus,
THE
ENGLISH APOLLO,

Assisting

All Persons in the Right Understand-
ing of this Years Revolution, as also of
things past, present, and to come.

With necessary Tables, plain and useful.

A twofold Kalendar, *viz.* *Julian* or *English*,
Gregorian or *Foreign* Computations, more plain and
full than any other, with the Rising and Set-
ting of the Sun, the nightly Rising and Setting of the
Moon, and also her Southing, Exactly calculated
for every day. Of general use for most men.

Being the first after *Bissextile*, or *Leap-Year*.

To which is added the Moons application to the
fixed Stars: With the Calculation of the Eclipses: also
Rules and Tables for the measuring of Timber: with many
other things both pleasant, useful and necessary.

Calculated according to Art, and fitted to the Me-
ridian of *Leicester*, whose Latitude is 52 Degrees 41 Mi-
nutes, exactly fitting all the middle Counties of *England*,
and without sensibly error the whole Kingdom.

By *RICHARD SAUNDER*,
Student in the Physical and Mathematical Sciences.

LONDON Printed by *M. & J. Wilde*, for
the Company of STATIONERS, 1701.

The Julian or Old Account used in Engl. 1701. The Gregorian or New Style used beyond Sea.

	11	The Golden Number.		11
	1	The Dominical Letters.		18
	1	The Epact		21
March	2	Shrove-Sunday	March	6
May	20	Ascension-Day	June	1
June	8	Whit-Sunday	June	12
November	30	Advent Sunday	Novemb.	27

A Table of the Terms and their Returns.

Hillary Term begins January 23, ends February 12.

Essoin-days.	Except.	Ret.	Brev.	Appear.
O&ab. Hilar. Jan. 20	January 21	Jan. 22	Jan. 23	Jan. 23
Quind. Hilar. Jan. 27	January 28	Jan. 29	Jan. 30	Jan. 31
Graftin. Purif. Feb. 3	February 4	Febr. 5	Febr. 6	Febr. 6
O&ab. Purif. Feb. 10	February 11	Febr. 11	Febr. 12	Febr. 12

Easter Term begins May 7, ends June 2.

Quind. Pasch. May 5	May 6	May 6	May 7
Tres Pasch. May 12	May 13	May 13	May 14
Mens. Pasch. May 19	May 20	May 20	May 21
Quinq. Pasch. May 26	May 27	May 27	May 28
Graft. Ascens. May 30	May 31	May 31	June 1

Trinity Term begins June 20, and ends July 9.

Graft. Trin. June 16	June 17	June 18	June 19
O&ab. Trin. June 23	June 24	June 24	June 25
Quind. Trin. June 30	July 1	July 1	July 2
Tres. Trin. July 7	July 8	July 8	July 9

Michaelmas Term begins October 23, ends Nov. 2.

Tres Mich. O&ab. 20	O&ab. 21	O&ab. 22	O&ab. 23
Mens. Mich. O&ab. 27	O&ab. 28	O&ab. 29	O&ab. 30
Graft. Anim. Nov. 3	Novemb. 4	Novemb. 5	Novemb. 6
Graft. Mart. Nov. 12	Novemb. 13	Novemb. 14	Novemb. 15
O&ab. Mart. Nov. 18	Novemb. 19	Novemb. 20	Novemb. 21
Quind. Mart. Nov. 25	Novemb. 26	Novemb. 27	Novemb. 28

ATa

William
William
Henry
Stephen

Henry
Richard
John

Henry
Edward
Edward
Edward
Richard

Henry
Henry
Henry

Edward
Edward
Richard

Henry
Henry

Edward
Qu. Mar

Qu. Eliz

James

Charles
Charles

James
William
Mary

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A Table of the KINGS and QUEENS of England, since the Conquest.

	Born Anno	Began to reign.	Reigned Since their Reigns Y. M.	ended.	Buried at
William	1 1029	1066, Oct. 14	20 11	1154, Septem. 9	Caen No.
William	2 1056	1087, Sep. 9	12 11	1101, August 2	Winchest
Henry	1 1068	1100, Aug. 2	35 4	1166, Decem. 1	Reding
Stephen	1 1105	1135, Dec. 1	18 11	1154, Octob. 25	Feverst.

The Saxon Line restor'd,

Henry	2 1132	1154, Oct. 25	35 9	12, July 6	Fountever
Richard	1 1155	1189, July 6	9 9	1101, April 6	Fountever
John	1 1165	1199, April 6	17 6	1185, Octob. 19	Worcester
Henry	3 1207	1216, Oct. 12	56 1	1429, Nov. 16	Westmin.
Edward	1 1239	1272, No. 16	34 8	1394, July 7	Westmin.
Edward	2 1283	1307, July 7	19 7	1375, Jan. 25	Glocester.
Edward	3 1312	1326, Jan. 25	51 5	1324, June 21	Westmin.
Richard	2 1356	1377, Jun. 21	22 3	1302, Sept. 29	Westmin.

The Line of Lancaster.

Henry	4 1367	1399, Sep. 29	13 6	1288, Mar. 20	Canterb.
Henry	5 1386	1412, Mar. 20	9 5	1279, Aug. 31	Westmin.
Henry	6 1421	1422, Aug. 31	38 6	1240, Mar. 4	Windsor.

The Line of York.

Edward	4 1442	1461, Mar. 4	23 1	1218, April 9	Winchest.
Edward	5 1471	1483, Apr. 9	0 1	1218, June 18	Not kno.
Richard	3 1448	1483, Jun. 18	2 2	1216, Aug. 22	Leicest.

The Families United.

Henry	7 1455	1485, Aug. 22	23 8	1192, April 22	Westmin.
Henry	8 1491	1509, Apr. 22	37 10	1154, Jan. 28	Windsor
Edward	6 1537	1547, Jan. 28	6 5	1148, July 6	Westmin.
Qu. Mary	4 1518	1553, June 6	5 4	1143, Nov. 17	Westmin.
Qu. Elizab.	1 1533	1558, No. 17	44 4	1199, March 24	Westmin.

The Union of the two Kingdoms.

James	1 1566	1602, Ma. 24	22 0	1176, March 27	Westmin.
Charles	1 1600	1625, Ma. 27	23 11	1152, Janu. 30	Windsor
Charles	2 1630	1648, Jan. 30	36 0	1116, Februar. 6	Westmin.
James	2 1633	1684, Feb. 6	4 0	1112, Febru. 13	
William & Mary	{ 1650 1662	1689, Feb. 13		Whom God grant long to Reign. Who died Dec. 28. 1694.	

You here may see a Race of Monarchs Great,
 When one resign'd, when t'other took the Seat.
 Of these some mighty were in Feats of Arms,
 Others much fam'd, admir'd for peaceful Charms.

The present fam'd for both, to pray now let's not cease,
 As He was great in VVar, He may be great in Peace.

Omnis Potestas à Deo est

A Table of the exact time of the Moon's coming to the South in Hours and Minutes, every day for the first six Months of this Year 1701.

Days	Jan.		February		March		April		May		June	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	2	A.34	3	A.19	1	A.58	3	A.13	3	A.57	5	A.24
2	3	16	4	2	2	44	4	7	4	53	6	16
3	3	58	4	39	3	31	5	0	5	45	7	7
4	4	40	5	27	4	19	5	55	6	38	7	58
5	5	23	6	16	5	8	6	51	7	30	8	46
6	6	6	7	12	6	2	7	47	8	23	9	42
7	6	50	8	7	6	57	8	43	9	16	10	36
8	7	40	9	2	7	55	9	37	10	9	11	31
9	8	29	10	4	8	53	10	31	11	3	12	25
10	9	2	11	3	9	51	11	25	11	58	OM.	23
11	10	26	12	3	10	49	12	19	12	53	1	18
12	11	22	OM.	3	11	44	OM.	19	OM.	53	2	10
13	12	19	0	59	12	40	1	14	1	49	3	2
14	OM.	19	1	56	OM.	40	2	9	2	43	3	48
15	1	19	2	49	1	34	3	6	3	38	4	34
16	2	19	3	41	2	29	4	2	4	27	5	14
17	3	14	4	32	3	24	4	54	5	16	5	54
18	4	04	5	21	4	16	5	46	5	59	6	37
19	4	56	6	16	5	10	6	33	6	42	7	21
20	5	47	7	8	6	4	7	20	7	24	8	6
21	6	41	7	59	6	54	8	3	8	6	8	51
22	7	30	8	50	7	45	8	46	8	49	9	42
23	8	19	9	37	8	30	9	27	9	33	10	33
24	9	10	10	24	9	16	10	9	10	19	11	14
25	10	0	11	8	10	0	10	54	11	6	12	2
26	10	47	11	53	10	43	11	39	11	59	1A.	2
27	11	35	12	34	11	24	12	27	12	53	2	1
28	12	19	1A.	15	12	8	1A.	15	1A.	48	3	1
29	1A.	4			OM.	52	2	7	2	44	4	0
30	1	52			1	36	3	0	3	38	5	0
31	2	35			2	24			4	32		

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Days | H

1	5
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4	8
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10	ON
11	1
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14	3
15	4
16	5
17	5
18	6
19	7
20	8
21	9
22	10
23	11
24	12
25	1A
26	1
27	2
28	3
29	4
30	5
31	6

A Table of the exact time of the Moon's coming to the South in Hours and Minutes, every day for the last six Months of this Year 1701.

Days	July		August		Septem.		Octob.		Novem.		Decem.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	5	A.52	7	A.16	8	A.50	9	A.17	10	A.05	10	A.04
2	6	40	8	08	9	38	10	00	10	48	10	49
3	7	31	9	00	10	27	10	44	11	32	11	39
4	8	23	9	53	11	11	11	26	12	17	12	30
5	9	17	10	45	11	55	12	08	0	M.17	0	M.30
6	10	09	11	33	12	37	0	M.08	1	03	1	24
7	11	05	12	21	0	M.37	0	52	1	55	2	18
8	11	57	0	M.21	1	20	1	35	2	47	3	12
9	12	49	1	04	2	03	2	21	3	41	4	05
10	0	M.49	1	48	2	45	3	08	4	35	4	55
11	1	35	2	30	3	31	4	00	5	28	5	46
12	2	22	3	12	4	18	4	52	6	21	6	37
13	3	05	3	55	5	08	5	46	7	12	7	38
14	3	49	4	38	5	59	6	40	8	04	8	20
15	4	31	5	25	6	54	7	35	8	56	9	12
16	5	13	6	12	7	50	8	30	9	49	10	09
17	5	57	7	05	8	46	9	25	10	45	11	06
18	6	41	6	58	9	42	10	19	11	40	12	02
19	7	29	8	55	10	38	11	13	12	38	12	50
20	8	18	9	53	11	35	12	08	1	A.37	1	A.53
21	9	13	10	51	12	29	1	A.05	2	31	2	47
22	10	08	11	49	1	A.23	2	02	3	26	3	30
23	11	07	12	44	2	20	2	59	4	14	4	13
24	12	06	1	A.40	3	17	3	56	5	03	4	55
25	1	A.02	2	34	4	12	4	49	5	48	5	37
26	1	59	3	29	5	08	5	42	6	32	6	18
27	2	52	4	22	6	02	6	30	7	13	7	00
28	3	46	5	26	6	55	7	18	7	54	7	44
29	4	38	6	10	7	45	8	00	8	37	8	28
30	5	30	7	05	8	35	8	43	9	20	9	16
31	6	23	7	59			9	24			10	05

To find the time of High Water in most Ports of England.

First seek the Moon's Southing on the foregoing Table for your Day, then you may conclude it High-Water at *Southampton, Quinborough and Portsmouth*, for there the South and North Moons make a High-Water: But when you desire the time of Full Sea in any of the following Coasts in the ensuing Table, find the name of the Place, and see how many Hours and Minutes be annex'd thereunto in the Column under *H. M.* which added to the time of the Moon's coming to the South, gives the time of High-Water at the Place required.

A Tide Table, with the Names of the Havens.

	H.	M.
<i>Rocheſter, Malden, Aberdeen,</i>	0	45
<i>Graveſend, Romney, Ramkins,</i>	1	30
<i>London, Tinnmouth, Hartle-pool,</i>	3	0
<i>Friſh, Leith, Dunbar, Narbon,</i>	4	30
<i>Newcaſtle, Falmouth, Humber,</i>	5	15
<i>Lyn, Antwerp, Plimouth, Hull,</i>	6	0
<i>Briftole, Lamon, Foulneſs,</i>	6	45
<i>Milford, Bridg-water, North-coaſt,</i>	7	30
<i>Portland, Peterport, Hartſlew,</i>	8	51
<i>Dover, Yarmouth, Harwich, Dublin,</i>	10	30
<i>Calan, Rye, Wincheſſea, Caſſket,</i>	11	15

Example.

The 18th day of *April*, this year, it is Required to know the time of High-Water at *London*: By the Table of the Moons coming to the South, againſt *April* the 28th. I find the Moon South at 1 ho. 15 m. afternoon, then in the Tide Table above, I find againſt *London*, 3 ho. 0 min. which being added to 1 ho. 15 min. makes 4 ho. 15 min. the time of High-Water at *London*, *April* the 28th. in the afternoon ſo of any other.

Note, That the Tide floweth conſiderably more at the New and Full Moons, than at the Firſt and Laſt Quarters, alſo the Latitude of the Moon and Winds may alter it an hour ſooner or later.

Direct

Directions for the subsequent Diary or Almanack.

In the first Column to the left hand, on the left-hand Page, you have the Numerical Figures of the days of the Month. In the second Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as also the Moons application to the fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious eye and understanding.

In the fourth Column the Moons place in the Zodiack, every day at noon.

In the fifth Column the rising and setting of the Moon with respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets with the general state of the Weather.

In the first Column on the Right-hand Page you have the English Account.

In the second Column you have the Roman Account, being now 11 days before ours.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have a discourse of the Motion of the Earth.

The sixth, seventh and eighth Columns, the utmost to the Right hand, shew you the daily Rising and Setting of the Sun.

On the top of the Left hand Page is set the New and Full Moons, with the first and last Quarters.

On the top of the Right hand Page is set the Rising, South-ing and Setting of the Planets.

Note, That the *London Almanack*, by *William Salmon*, pretending to give us the Roman Account fitted to our Months, as also the *Countryman's Kalendar*, in the Name of *Dade*, did both of them last Year give the Roman Account false; and erroneously made it Leap-Year with them, which is directly contrary to the Gregorian Reformation, for neither the Year 1700, 1800, nor 1900, ought to be Leap-Year, according to the said Reformation, hence, since the beginning of last March, they are 11 Days before us, as appears in my last, and this.

January hath xxxi. days.

- First quarter the 6 day, at 10 in the morning.
- Full Moon the 13 day, at 1 in the afternoon.
- Last Quarter the 20 day, at 6 in the morning.
- New Moon the 28 day, at 1 in the morning.

1	a	New Years Day	qua. 27	7	A.	48	Tempestuous
2	b	D n. Dex. Fra.	pisces 10	8		48	☐ ♂ ♀ Weather
3	c	D n. Marchab.	pisces 22	9		49	with drizzling
4	d	D n. Algemb	aries 3	10		53	Rain, or Snow, is
5	e	D n. Vent. Ceti.	aries 10	11		58	expected at the
6	f	Epiphany	aries 29	12		58	beginning, then
7	g	D n. Manber.	taur. 11	0	M	5	some Frosts, yet
8	a	D n. Plei. des	taur. 24	2		07	misty & close Wea-
9	b	Sol in Aquarius	gem. 7	3		17	ther, also some
10	c	D n. Alhaiot	gem. 21	4		30	Storms about
11	d	☿ ♄ 11.	canc. 5	5		34	the 10th. Day are
12	e	Sun. & Epiph.	canc. 19	6		34	calmed, follow-
13	f	Hilary.	co 4		Full	●	ed with plenty of
14	g	D n. Cor. Leon.	leo 19	5	A.	51	Rain or Snow, a-
15	a	♄ ♀ 12.	virgo 4	7		17	* ♄ ♀. about the
16	b	♄ ♄ 24.	virgo 19	8		34	Full Moon, and a-
17	c	♀ ♄ 2.	libra 3	9		55	bout the 16th.
18	d	♀ ♄ 16.	libra 17	11		07	windy and tur-
19	e	Sun. past Epiph.	scor. 1	12		26	bulent Weather
20	f	D n. Ianx. Eoreal	scor. 15	0	M	26	with n. cloure;
21	g	Agnes	scor. 28	1		37	then followeth
22	a	D n. Cor. Scorp.	sagi. 11	2		40	♄ ☉ ♄. some
23	b	Term begins.	sagi. 24	3		50	Frost, and some
24	c	D n. Gaud. vult.	capr. 6	4		48	cold forms about
25	d	Conver. S. Paul	capr. 19	5		41	the 21st day, at
26	e	Sun. past Epiph.	aquar. 1	6		23	* ♄ ♀. toward
27	f	D n. Sin. Hum.	qua. 13	7		00	more calm, and
28	g	D n. dex. hi. tr.	aqu. 2		New	●	● Eclipsed, inv.
29	a	D n. dex. brac.	pisces 7	6		27	towards the end
30	b	S. Chas. & Martyr.	pisces 19	7		31	of the Month.
31	c	D n. Algemb.	aries 1	8		42	fair and frosty, &c.

English Accompt.

12
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January 1701.

English Accompt.
Roman Calendar.
Roman Saints days

Saturn, at the beginning, sets about 8 at Night, at the end he sets betwixt 6 and 7 at Night.

Jupiter, is hid under the Sun Beams. *Mars*, sets betwixt 8 and 9 at Night. *Venus*, riseth betwixt 5 and 6 in the Morning. *Mercury* riseth before the Sun.

English Accompt.	Roman Calendar.	Roman Saints days	Whether the Earth move or stand still, hath been a Problem, &c. Upon this in my last, I mentioned several that had endeavoured a Reconciliation of such Scripture Texts, as have been alledged against the Pthagorean, or Copernican Hypothesis, of these, that Lyncean and most Learned Philosopher, Galilius, in his Discourse, called The Ancient and Modern Doctrine of Holy Fathers, and Junctions Divine, concerning the rash Cration of the Testimony of Sacred Scripture, in Conclusions meetly Natural, and that may be proved by sensible Experiments, and necessary Demonstrations, towards the latter end thereof, goes on thus: It remaineth now, that we consider, whether it be true, that the Place in Joshua may be taken, without altering the pure signification of the Words; and now it can be that the Sun obeyed the Command of Joshua;	8	7	3	3
1	2	e satyrinus	or stand still, hath been a Problem, &c. Upon this in my last, I mentioned several that had endeavoured a Reconciliation of such Scripture Texts, as have been alledged against the Pthagorean, or Copernican Hypothesis, of these, that Lyncean and most Learned Philosopher, Galilius, in his Discourse, called The Ancient and Modern Doctrine of Holy Fathers, and Junctions Divine, concerning the rash Cration of the Testimony of Sacred Scripture, in Conclusions meetly Natural, and that may be proved by sensible Experiments, and necessary Demonstrations, towards the latter end thereof, goes on thus: It remaineth now, that we consider, whether it be true, that the Place in Joshua may be taken, without altering the pure signification of the Words; and now it can be that the Sun obeyed the Command of Joshua;	2	8	5	55
2	13	e Hillary		3		4	56
3	14	e Felix		4		7	58
4	15	e Mauricius		5	8	1	59
5	16	Sun. p. Epip.		6	7	59	1
6	17	e Anthonius		7		58	2
7	18	e Prisca		8		56	4
8	19	e Pontian		9		55	5
9	20	e Fab. & Seb.		1		53	7
10	21	e Agnes		11		52	8
11	22	e Vincent		12	7	50	10
12	23	Sun. p. Epip.		13		49	11
13	24	e Timothy		14		47	13
14	25	e Coav. S. Paul		15		46	14
15	26	e Polycarp		16		44	16
16	27	e J. Chrylost.		17		43	17
17	28	e Ca. Mag.		18		42	19
18	29	e Valerius		19		39	21
19	30	Sun. p. Epip.		20	7	38	22
20	31	e Cyriacus		21		36	24
21	Febr.	e Bridge.		22		34	26
22	2	e Parif. Mary		23		33	27
23	3	e Blase		24		31	29
24	4	e Gilbert		25	7	29	31
25	5	e Agatha		26		27	33
26	6	Sun. p. Epip.		27		25	35
27	7	e Zachary		28		23	37
28	8	e Cerinthia		29		21	39
29	9	e Apollon.		30	7	19	41
30	10	e Scho antica.		31		17	43
31	11	e Euphrosin					

February hath xxviii days.

- ☾ First Quarter, the 5th. day, at 2 in the morning.
- Full Moon, the 11 day, at 11 at night
- ☾ Last Quarter, the 18 d., at 6 at night.
- New Moon. the 26. day, at 7 at night

Mon. Day	Week Day	Feastival & Saints	The Days	The Rising	The mutu. Af.		
		days, with the Days place in application to the zodiack	noted fix'd Stars at Noon	fro. the full to the change, & setting fr. the cha. to the F.	of the Plan. with the var. con. of air. & cha. of wea.		
1	D	D n. Caud. Ceti.	aries 12	9 A 50	Moons Setting.	Wind and Snow, with cold frosty * ♂ ♀. Weather is expected, and continues cloudy and close Weather for several Days; now ♂ ♀ ♀. fair and frosty, but the	
2	C	Purif. Mary.	aries 24	10 55			
3	E	D n. Maiker.	taurus 7	11 56			
4	B	D n. Pleiades.	taurus 19	12 58			
5	a	D n. Aldebaran.	gem. 20	0 M 58			
6	b	D n. Alhaio.	gem. 15	2 06	Moons Rising.	Full ●. Moon Ec. produced some Wind and Storms, afterward a sharp frosty Air, yet seasonable, with some Storms about the seventeenth Day; * ♀ ♂. the moderate Weather for some time, but towards ♂ ☉ ♀. the end ex. c& Wind, with ♂ ♀ ♀ Rain, or ♂ ♀ ♀. Snow, & ♂ ☉ ♀. very un-constant Weath.	
7	c	D n. Lu. Pe. II.	gem. 29	3 14			
8	d	Sol in Pisces.	canc. 13	4 15			
9	C	5 Sun. pa. Epiph.	cancer 28	5 7			
10	E	D n. Cap. Leonis	leo 13	5 55			
11	B	D n. Cor. Leonis	leo 28	Full ●	Moons Rising.		
12	a	Term Ends.	virgo 13	6 A 05			
13	b	D n. Vindemia	virgo 28	7 28			
14	c	Vale. tinc.	libra 13	8 51			
15	d	D n. Spica virg.	libra 27	10 09			
16	C	Septuagesima.	scorp. 11	11 27	Moons Rising.	the moderate Weather for some time, but towards ♂ ☉ ♀. the end ex. c& Wind, with ♂ ♀ ♀ Rain, or ♂ ♀ ♀. Snow, & ♂ ☉ ♀. very un-constant Weath.	
17	E	D n. Sup. in Fr. ♀.	scorp. 25	12 37			
18	B	♄ ♄ 16.	magie. 8	0 M 37			
19	a	♄ ♄ 20.	figt. 21	1 47			
20	b	♄ ♄ 20.	Capric. 32	43			
21	c	♄ ♄ 15.	Cap. 16	3 39	Moons Rising.		
22	d	♄ ♄ 9.	Cap. 28	4 21			
23	C	Sexagesima.	aquar. 10	5 3			
24	E	S. Matthias.	aquar. 25	5 32			
25	B	D n. Dex. Brax.	pisces 3	4 00			
26	a	D n. March 2b.	pisces 16	New ●	Moons Rising.	♄ ♀ ♀ Rain, or ♂ ♀ ♀. Snow, & ♂ ☉ ♀. very un-constant Weath.	
27	b	D n. Alcaid.	pisces 27	6 A 34			
28	c	D n. Caud. Ceti	aries 9	7 26			

February 1701.

Saturn is hid under the Sun Beams, and at the end he is
Combust. *Jupiter* at the end riseth with *Venus*, betwixt
5 and 6 in the Morning.

Mars sets about 9 at Night.

Mercury, at the beginning, rises before the Sun, at the
end he goes to Combustion.

Ferni stata Of the Motion of the
et concept. Earth.

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M.D.

1	2	a	Eudacius	which was, that it should	1	7	16	4	44
2	3	b	S. p. Epip.	stand still, that the Day	2		4		46
3	14	c	Valentine	might thereupon be much	3		12		48
4	15	d	Faustina	lengthened. Which Busi-	4		10		50
5	16	e	Juliana	ness, if the Coelestial Mo-	5		8		52
6	17	f	O. forus	tions be taken according to	6		6		54
7	18	g	Concordia	the Ptolemaick Systeme, can	7		4		56
8	19	a	Remin	never any ways happen,	8		2	4	58
9	2	b	Septuages.	for that the Sun moving	9	7	0	8	0
10	21	c	Elia	through the Ecliptick, ac-	10	6	58	9	2
11	22	d	Cath. Pet.	cording to the Order of the	11		6		4
12	23	e	S. renus	Signs, which is from West	12		54		6
13	4	f	S. Matthias	to East, it is a thing mani-	13		52		8
14	25	g	Invent. Paul	fest, that the Sun ceasing	14		50		10
15	26	a	Simeon	its true and proper motion,	15		48		12
16	27	b	Sexagesima	the Day would become shor-	16		46		14
17	28	c	Roman	ter, and not longer; and	17	6	44	5	16
18	Mar.	d	David B.	that on the contrary, the	18		4		18
19	2	e	Caddu P.	way to lengthen it would be	19		4		20
20	3	f	Cunegund	to hasten and accelerate the	20		3		22
21	4	g	Adrian	Sun's motion; insomuch, that	21		26		24
22	5	a	Eusebius	to cause the Sun to stay above	22	6	34	5	26
23	6	b	Quinquag.	the Horizon for some time,	23		32		28
24	7	c	Reptia	in one and the same place,	24		30		30
25	8	d	Shrove-Tue	without declining towards	25		27		32
26	9	e	Ash-Wed.	the West, it would be ne-	26		25		34
27	10	f	Alexander	cessary to accelerate its	27		23		36
28	11	g	Agapitus	motion in such a manner, as	28	6	20	5	4

March hath xxxi. days

- ☾ First Quarter the 6 day, at 5 in the afternoon,
- Full Moon the 13 day, at 6 in the morning.
- ☾ Last Quarter the 20 day, at 8 in the morning.
- New Moon the 28th day, a little after noon.

1	D	David	ries	21	8 A.	41	Moons setting.	March is expected to begin more mildly than usually, with moderate Frost, and * ♂ ♀. so continues, yet expect a brisk Gale about the 7th. Day; yet generally temperate till towards the Full Moon, which brings Wind, Rain and Snow, also some stormy weather about the 10th. day. is expected, as also about the 6th ♀. 21st. day and continues, rough, and light March Weather for the most part till after the New Moon, then more temperate, yet is expected to be cold, cloudy, and lose.
2	E	Quinquagesima	taur.	3	9	49		
3	F	D n. Pleiades	taur.	16	10	58		
4	G	Shrove. Tuesday	taur.	28	12	01		
5	A	Ash, Wednesday	gem.	11	0 M.	02		
6	B	D n. dex Hum. aur.	gemp.	24	1	6		
7	C	D n. D Ca. or	anc.	8	2	6		
8	D	D n. Procyon	can.	22	3	5		
9	E	Quadragesima	leo	6	3	50		
10	F	Sol in Aries	le	21	4	35		
11	G	D n. Terg. Leon.	virg.	6	5	13	Moons Rising.	
12	A	Ember Week	virg.	21	5	50		
13	B	D n. Vindemia.	li	12	6	Full ●		
14	C	D n. Spica virg.	libra	21	7 A.	52		
15	D	D n. Lanx Ant.	scorp.	6	9	13		
16	E	2 Sunday in Lent	cor.	10	10	29		
17	F	D n. Cor. Scorpio	scagit.	4	11	44		
18	G	h ✕ 12.	sa. ut.	17	12	45		
19	A	h ✕ 26.	capri.	0	0 M.	45		
20	B	h ✕ 11.	capri.	12	1	46		
21	C	Benedict.	ar.	23	2	31	New Moon	
22	D	h ✕ 20.	aqua.	7	3	15		
23	E	3 Sunday in Lent	aqua	19	3	45		
24	F	h ✕ 3.	pisc.	1	1	15		
25	G	Annon. B. Mary	pisc.	12	4	41		
26	A	D n. Caud. Cetr	pisc.	24	5	7		
27	B	D n. Algenib	aries	5	21			
28	C	D n. Vent. Ceti	aries	8				
29	D	D n. prim. * Ar.	taur	17	A.	52		
30	E	Mid-Lent Sunday	ur.	13	8	58		
31	F	D n. Pleiades.	taur.	25	10	04		

March 1701.

Saturn and *Venus*, towards the end, rise neare together, about an hour before the Sun.
Jupiter riseth a little before them.
Mars sets about 9 at night.
Mercury sets a little after the Sun.

Engl. Ac. om.	For. in. Accom.	Rom. Ka. endat.	Rom. St. day.						
1	12	a	Gregorius	as that it might seem equal	1	5	17	5	43
2	13	B	Quadrages.	to that of the Primum Mo-	2		15		45
3	14	c	Eutychus	bile; which would be an	3		13		47
4	15	d	Longinus	accelerating it about Three	4		10		50
5	16	e	Herbert	hundred and sixty times more	5		8		52
6	17	f	Gertrude	than ordinary. If therefore	6		6		54
7	18	g	Edward	Joshua had had an Intenti-	7		4		56
8	19	a	Joseph.	on that his Words should	8		25		58
9	2	B	Reminiscere.	be taken in their pure and	9	6	06		00
10	21	c	Benedict	proper Signification, he	10	5	58	6	2
11	22	d	Aphodi.	would have bid the Sun	11		56		4
12	23	e	Victorin.	to have accelerated its	12		54		6
13	24	f	Quirinus	Motion so, that the Rap-	13		52		8
14	25	g	Ann. E. V. M.	ture of the Primum Mo-	14		50		10
15	26	a	Castulus	bile might not carry it to	15		48		12
16	27	B	Oculi	the West: But because his	16		46		14
17	28	c	Gideon	Words were heard by People	17	5	44	6	16
18	29	d	Quintin	which happily knew no	18		42		18
19	30	e	Guido	ther Caelestial Motion, save	19		40		20
20	31	f	Balbina	this grand and common one,	20		38		22
21	April		Theodore	from East to West, (which is	21		36		24
22	2	a	Mary Egypt	that which maketh Day and	22		34		26
23	3	B	Lazare	Night) stooping to their Ca-	23		32		28
24	4	c	Ambrose	pacity, and having no Inten-	24	5	30	6	30
25	5	d	Vincent	tion to teach them the Con-	25	5	27		32
26	6	e	Sixtus	stitution of the Spheres, but	26		25		34
27	7	f	Egesippus	only that they should per-	27		23		36
28	8	g	Dionysius	ceive the greatness of the Mi-	28		21		38
29	9	a	Marcellus	racle wrought, in the length-	29		19		40
30	10	B	Judica	ning of the Day, he spoke ac-	30	5	17		42
31	11	c	Teo	cording to their Apprehension.	31		51	5	44

April hath xxx days.

- First quarter the 5 day, at 4 in the morning.
- Full Moon the 11 day, at 6 in the afternoon.
- Last quarter the 18 day, at 11 at night.
- New Moon the 27 day, at 2 in the morning.

1	B	Dn. Aldebaran	gem.	8	11	A. 8	Moons Setting.	Misty, cloudy, and
2	a	Dn. Dex. hu. Au.	gem.	21	12	14		close, with Nor.
3	n	Dn. Luc. Pe. II	canc.	4	0	M. 14		therly Wind,
4	c	Dn. Cast. & Pol	canc.	17	1	06		* h δ. at the
5	d	Dn. Acelli	co	11	1	58	Moons Rising.	beginning, and
6	o	S. Sund. in Lent	co	15	2	37		about the 5th.
7	e	Dn. Terg. Le n.	virgo	03	16			some showers are
8	u	Dn. Caud. Leon.	virgo	14	3	50		expected; then
9	a	Sol in Taurus.	virgo	29	4	15	Full Moon	* ☉ ♀. fair and
10	h	Dn. Spica Virg.	libra	15	4	41		warm for some
11	c	Dn. Lanx Au.	libra	29	8	A. 11		Days, but about
12	d	Dn. Lanx Boreal	scorp.	14	8	A. 11		☉ ☉ ♀. the 10th.
13	e	Palm Sunday	scorp.	29	9	26	Moons Rising.	or 11th. Days ex-
14	f	h ☿ 21.	sagit.	13	10	40		pect showery wea-
15	g	u ☿ 01.	sagit.	26	11	38		* ♀ ♀. ther, and
16	a	δ II 00 0	capri.	9	12	36		to continues light
17	b	♀ γ 22.	capri.	21	0	M. 36	New Moon	dropping April
18	c	♀ δ 0. R.	aqua.	4	1	16		Weather, other.
19	d	Dn. dex. hum. ☿	aqua.	16	1	55		☉ ♀ δ. wh les
20	e	Easter Day.	aqua.	27	2	24		some fair Gales.
21	f	Dn. Aust. in c ☿	pisces	9	2	51	Moons Setting.	But about the 18
22	g	Dn. Marchab.	pisces	21	3	12		* ♀ ♀. or 20th.
23	a	S. George.	aries	3	3	33		days expect plen-
24	b	Dn. vent. Cete	aries	15	3	54		ty of showers;
25	c	S. Mark	aries	27	4	15	New Moon	then follow some
26	d	Dn. Masker	taur.	10	4	37		* ♀ ♀. brlsk
27	e	Low Sunday	taur.	22	1	New		Gales of Wind;
28	f	Dn. Aldebaran	gem.	5	9	A. 7		and about the
29	g	Dn. Alhaiot	gem.	18	10	10	Moons Setting.	New Moon we
30	a	Dn. Luc. Ped. II	canc.	0	11	14		may also, &c.

English Accom.

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April 1701.

Rom. St. days.
Rom. Calendar.
Forein. Accom.
English Accom.

Saturn, at the beginning, rises betwixt 4 and 5 in the morning; at the end he rises about 3 in the morning.
Jupiter riseth a little before him.
Venus riseth a little before the Sun.
Mars sets betwixt 8 and 9 at night.
Mercury is Combust.

1	12	D	Julius	Possibly this Consideration	1	5	1	6	48
2	13	E	Justinus	move d Dionysius Arcopa	2		10		50
3	14	F	Tiburtius	gita to say, that in this Mi	3		8		51
4	15	B	Perpetua	racle the Primum Mobie	4		6		54
5	16	A	Isidorus	stood still, and this stopping,	5		4		56
6	17	B	Palm Sunday	all the Cœlestial Spheres did	6		2		58
7	18	C	Valerian.	of Consequence stay: of	7	5	0	7	0
8	19	D	Timon	which Opinion is S. Augu	8	4	5	7	2
9	20	E	Sulpitius	stine himself, and Abu	9		3	6	4
10	21	F	Adelarius	lensis at large confirmeth;	10		5	4	6
11	22	B	Quintin	yea, that Joshua's Intention	11		5		8
12	23	A	St. George	was, that the whole System	12		5	0	10
13	24	B	Pascha	of the Cœlestial Spheres	13		4		12
14	25	C	S. Mark	should stand still, is collected	14		4	0	14
15	26	D	Cletus	from the Command be	15	4	4	4	7
16	27	E	Anastafius	gave at the same time to the	16		4	2	18
17	28	F	Vitalis	Moon, although that it had	17		4	0	20
18	29	B	Pet. de Mil.	nothing to do in the length	18		3	9	21
19	30	A	Josua	ening of the Day, and under	19		3	7	23
20	Ma.	B	Quasimod	S. Phil. and Jacob the	20		3	5	25
21	1	C	Athanasius	Injunction laid upon the	21		3	4	26
22	2	D	Invent. Cru.	Moon, we are to understand	22		3	3	27
23	3	E	Florianus	the Orbs of all the other	23		3	1	29
24	4	F	Gothard	Planets, passed over in Si	24	4	3	7	30
25	5	B	Jo. Port. Lat.	lence here, as also in all o	25		2	8	32
26	6	A	Juvenal	ther Places of the Sacred	26		2		34
27	7	B	Misericord	Scriptures; the intenton of	27		2	5	35
28	8	C	Epinack.	which was not to teach us the	28		2	3	37
29	9	D	Gordian	Astronomical Sciences, I sup	29	5	2	1	39
30	10	E	Mamert	pose therefore, (if I be not	30	4	1	9	41
				deceived) that it is very plain					

May hath xxxi days.

- ☾ First Quarter the 4 day, at 8 in the morning.
- ☾ Full Moon the 11 day, at 3 in the morning.
- ☾ Last quarter the 18 day, at 4 in the afternoon.
- ☾ New Moon the 26 day, at 3 in the afternoon.

1	h	S. Phil. & Jacob	canc.	14	12	00		Some drizzling
2	c	D n. Afelli	canc.	28	12	46	Moons Setting	Showers, and close
3	d	D n. Aust. in c. leo	leo	11	0	M. 46		Weather is expected
4	e	2 Sun. past Easter	leo	26	1	18		* ☉ h. Cted at the
5	f	D n. Terg. Leon.	virgo	9	1	51		beginning of the
6	g	D n. Caed. Leon.	virgo	24	2	19		Month, also some
7	a	Term begins	libra	9	2	46		Showers about the
8	b	D n. Spici virgi.	libra	23	3	12		8th. day ; and a-
9	c	D n. Lanx Aust.	corp	7	3	38		bout the 10th. ome
10	d	Sol in Gemini	corp.	22	4	07		* ♀. brisk
11	e	3 Sun. past Easter	scit.	7	5	Full	Moons Rising	Gales of Wind ;
12	f	h ♀. 25.	agit.	21	9	27		th n fair and hot
13	g	h ♀. 05.	apri.	4	10	22		* h ♀. for some
14	a	♂ II 19.	apri.	17	11	18		days, and so is ex-
15	b	♀ 8 26.	capri.	29	11	53		☉ ☽. pecked
16	c	♀ 8 11. D.	aqui	12	12	27		to continue with
17	d	D n dex. Hum.	aqua	24	0	M 27		some brisk Winds
18	e	4 Sun. past Easter	pices	6	0	52		about 17th. day,
19	f	D n. Marchab.	pices	17	1	17		and proba ly some
20	g	D n. Algenib	pices	29	1	38		drizzling and about
21	a	D n. vent. Ceti	aries	11	1	52		the 22th. day
22	b	D n. pr m. * Ar.	aries	23	2	20		☉ ♀. some
23	c	D n. Mank r.	taur.	06	2	40		Thunder-Showers.
24	d	D n. Pleiades	taur.	18	3	06		☉ h ♂. and conti-
25	e	5 Sun. past Easter	gem.	00	3	31		nues showery till
26	f	D n. Aldebran	gem.	14	New	☉	Moons Setting	* h ♀. after the
27	g	D n. A hajor	gem.	27	9	A. 6		New Moon ; then
28	a	D n. Cast. & poll.	canc.	11	9	56		hot weather for se-
29	b	Af ent. Dom.	canc.	24	10	46		K.Ch.II.N. and R
30	c	D n. Afelli	leo	8	11	22		veral days is ex-
31	d	D n. Cor. Leonis	leo	22	11	58		pected, &c.

Forin Account.
English Account.

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May 1701.

English Account.	Roman Calendar.	Rom. Saints days.	Text	1	2	3	4	5	6	7	8	9	10	11	12
			Saturn at the beginning riseth between 2 and 3 in the Morning, at the end he rises before 1. Jupiter riseth about half an hour before him. Mars sets a little after the Sun. Venus riseth before the Sun. but at the end she is hid under the Sun beams. Mercury riseth before the Sun.												
112			Panerat. That if we allow the Ptole-	1	4	17	7	43							
113			Servatius maick Systeme, we must of	2		16		44							
114			Boniface Necessity interpret the words	3		14		46							
115			to some sense different from	4		13		48							
116			Peregrin their strict Signification.	5		10		50							
117			Porperus But now, if this same Pas-	6		9		51							
118			Venant. sage may be understood in	7		8		52							
119			Potentia the Copernican Systeme, to	8		6		54							
120			Dunstan agree better with what we	9		5		55							
121			Helena read in Joshua, with the	10		3		57							
122			Cantate help of another Observation.	11		2		58							
123			Desider. by me newly shewn in the	12		1		59							
124			Esther Body of the Sun ; I will pre-	13	4	0	8	00							
125			Urban. pound it to Consideration	14	3	59		1							
126			Augustin speaking always with those	15		58		2							
127			Beda V. safe Reserves. That I am	16		57		3							
128			German not so affectionate to my	17		56		4							
129			Rog. Sun own Inventions, as to prefer	18		54		6							
130			Wigand them before those of other	19		53		7							
131			Petronil Men, and to believe that bet-	20		52		8							
132			Pamphil. ter and more agreeable to the	21		51		9							
133			intention of the sacred Vo-	22	3	50	8	10							
134			Erasmus lume cannot be produced.	23		49		11							
135			Petroch. Supposing therefore in the	24		48		12							
136			first place that in the Miracle	25		47		13							
137			of Joshua, the whole Systeme	26		46		14							
138			of the Celestial Revolutions	27		45		15							
139			stood still, according to the	28		44		16							
140			Judgment of the aforementioned	29		44		17							
141			Authors ; and this is the	30	3	44	8	18							
142			B ra	31		43		19							

June hath XXX Days.

First Quarter the 2d day at 4 in the Afternoon.

Full Meon the 9th day at Noon.

Last Quarter the 7th day at 10 in the Morning.

New Moon the 25th day at 1 in the Morning.

I	Sun. p. 1st	Term Ends	virgo 6 11 24	M 24	Moons setting	☐ ♀ ☿ windy
2 f			virgo 20 0	49		with some dropping
3 g	☿ n. Vindemi.		libra 4 0	13		Rain, hot Weather
4 a	☿ n. Spica Vir.		libra 19 1	36		with some gentle
5 b	☿ n. Lanx Au.		scorp. 3 1	04		showers are now ex-
6 c	☿ n. Lanx Bor.		scorp. 17 2	36		pected ☐ ☉ h now
7 d	☿ n. Cor. Scor.		sagit. 1 2	08		soms brisk Winds
8 e	☿ n. Cor. Scor.		sagit. 15 2	43		and ☐ h ♀ about the
9 f	☿ n. Sin. Man.		sagit. 29	19		△ ♀ ☿ 9th. day
10 g	Sol. in Cancer		capr. 12 9	23		both wind and Rain
11 a	☿ n. Barnabas		capr. 25 9	15		☐ h ♀ followed
12 b	Ember Week		aqua. 7 10	18		with some cooling
13 c	☿ n. Sinist. ☿		aqua. 20 10	39		gales of Wind, the
14 d	☿ n. Dex. Br. ☿		pisces 2 11	59		☉ ☉ ☿ ☿ hot wea
15 e	☿ n. Dex. Br. ☿		pisces 13 11	19		△ ♀ ☿ ther fe
16 f	☿ n. Ca. set Br.		pisces 35 11	26		△ ♀ ☿ some day
17 g	☿ n. X 26		aries 7 12	34		△ ☿ ♀ and about
18 a	☿ n. W 6 R		aries 19 0	14		☉ ☉ ☿ the 9th day
19 b	☿ n. S 12		taur. 1 0	03		some showers an
20 c	☿ n. S 22		taur. 14 1	26		expected and con
21 d	☿ n. S 22		taur. 26 1	00		tinues showery fe
22 e	☿ n. S. p. Trin.		gem. 6 2	34		several days proba
23 f	☿ n. S 12		gem. 23 2	14		bly till after △
24 g	☿ n. Jo. Baptis		canc. 6 3	26		☿ the new Mo
25 a	☿ n. Cast. & Pol.		canc. 20	14		☉ ☉ ☿ then follow
26 b	☿ n. Afellus		leo 4 9	48		fair and hot weath
27 c	☿ n. Cor. Leon.		leo 18 9	22		for some days an
28 d	☿ n. Terg. Le.		virgo 3 10	48		at the end rain
29 e	☿ n. Peter		virgo 17 10	14		weather
30 f	☿ n. Vindemi.		libra 1 11			

Forin Account.
English Account.

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English Account. Foreign Account. Roman Calendar. Ro. Saints day.

Saturn at the beginning riseth about Midnight, at the end he riseth about 11 at Night; Jupiter riseth a little before him. Mars is hid under the Sun Beams, Venus is combust. Mercury at the beginning riseth before the Sun. In the middle of the Month he is Combust, at the end he sets after the Sun.

1	12	Pentecost	rather to be admitted to	1	3	43	8	17
2	13	Cyrellis	the end, that by the staying	2		43		17
3	14	Valerius	of one alone, all the Consti	3		42		18
4	15	Vitus &c	tutions might not be con	4		42		18
5	16	Rulandus	founded and a great disor	5		42		18
6	17	Botolph	der needlessly introduced in	6		42		18
7	18	Marc. &c	the whole Course of Nature	7		41		19
8	19	Trin. Sun.	I come in the second Place to	8		41		19
9	20	Regina	consider how the Solar Body	9		41	8	19
10	21	Walburg	although stable in one con	10	3	41		19
11	22	Alban	stant place, doth nevertheless	11		41		19
12	23	Cerp. Chr.	revolve in itself, making an	12		41		19
13	24	St. J Bapt.	entire Conversion in some	13		41		19
14	25	Elogius	what less than a Month's	14		42		18
15	26	11. S. p. T.	Space; as I conceive I have	15		42		18
16	27	7 Dorm.	solidly demonstrated in my	16		42		18
17	28	Leo Papa	Letters Delle Machie Solari	17		42		18
18	29	St. Peter	Thirdly, if we respect the No	18		43		17
19	30	Lucina	bility of the Sun, and his be	19		43		17
20	31	Tr. Sirich	ing the Fountain of Light by	20	3	44	8	16
21	2	Visit V.M.	which (as I necessarily de	21		44		16
22	3	2. S. p. T.	monstrate) not only of the	22		44		16
23	4	Ulricus	Moon but the Earth and all	23		45		15
24	5	Anselm	the other Planets, (all in the	24		45		15
25	6	Tranquil	same manner dark of them	25	3	46	8	14
26	7	Berkot	selves) become illuminated;	26		47		13
27	8	Grimbald	I conceive that it will be no	27		48		12
28	9	Cyriel B.	unlogical Illation to say that	28		49		11
29	10	3. S. p. T.	at, as the Grand Minister of	29		50		10
30	11	Nabor, &c.		30	3	51	8	9

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Foreign Account.
English Account.

First Quarter the 1st day at 8 at Night
Full Moon the 9th day, at 1 in the Morning
Last Quarter the 17th day at 4 in the Morning
New Moon the 24th day at 9 in the Morning
First Quarter the 31st day at 2 in the Morning

☾ Last Quarter the 17th day at 4 in the Morning

☾ Last Quarter the 17th day at 4 in the Morning

☾ New Moon the 24th day at 9 in the Morning

First Quarter the 31st. day at 2 in the Morning

1	n Spica Virg	libra	1	11	A 38	Some Wind an
2	n. lanx Aust.	liora	2	12	3	Rain at the begin
3	n. lanx Bor.	scorp	1	3	M 3	Δ h 9 ing, wit
4	n. Front. Sco	scorp.	2	3	31	some showers abou
5	n. Cor. Scor.	scagit.	1	4	03	♂ ☉ ♂ the 4th da
6	Sun. p. Trin.	scagit.	2	1	42	then hot, and
7	h X 26 R.	capr.	7	2	24	fultry for som
8	h 5 R.	capr.	2	3	19	Δ ☉ h days Δ
9	Term ends	aquar.	3	Full	●	♂ and about th
10	h 27	aquar.	1	8	A 47	11th. day some dr
11	h 7	aquar.	2	9	13	fling rain is expe
12	Sol in Leo	pisces	1	9	39	sted, with winds
13	S. p. Trin	pisces	2	10	00	then follows ho
14	h 28	aries	1	10	20	weather for sever
15	Southin	aries	1	10	41	days, but about th
16	n. pr. Ar.	aries	2	11	02	17 day showers
17	n. Man. R.	taur.	1	11	27	Rain are expecte
18	n. Pleaides	taur.	2	1	53	♂ ♀ ♀ followe
19	n. Aldebar.	gem.	4	12	30	with win's, and al
20	S. p. Trin.	gem.	1	17	0 M 3	some drifling Rai
21	n. Luc. P. G	canc.	1	18	07	then hot weath
22	n. Cast. & Pol.	canc.	14	2	0	for some days, y
23	n. Alcelli	canc.	39	2	50	now and then som
24	n. Cor. leon.	leo	13	2	50	showers and rowa
25	St. James	leo	28	8	A 22	the end some hig
26	n. Cau. Leo	virgo	13	8	50	Winds, and at th
27	S. p. Trin.	virgo	27	9	18	last some driflin
28	n. Spica Vir.	libra	17	9	44	Rain
29	n. Lanx Au.	libra	28	10	10	
30	n. Lanx Bor.	scorp.	10	10	39	
31	n. Front. Sco	scorp	24	11	07	

July 1701.

Saturn at the beginning riseth betwixt 10 and 11 at night, at the end he riseth about 9, and is South between 2 and 3 in the Morning: Jupiter is South above an hour before him, Mars is Combust, Venus at the end emergeth from the Sun Beams, and sets after him, Mercury sets after them both.

English Account.	Roman Calendar.	Common Saints day.	Nature, and in a certain	13	52	8	8
11	11	11	Henricus Sense the Soul and Heart of	2	53		7
12	12	12	Bonavent the World infuseth into the	3	54		6
13	13	13	Swithin other Bodies which environ it	4	55		5
14	14	14	Keneelm not only Light, but Motion	5	56		4
15	15	15	also, by revolving in itself	6	57		3
16	16	16	Maternus So that in the same manner,	7	58		2
17	17	17	Ruffinus as the Motion of the Heart	8	59		1
18	18	18	Margaret of an Animal ceasing, all the	9	60		0
19	19	19	Praxedas other motions of its Mem-	10	61		0
20	20	20	Mary Mag: bers would cease, so the con-	11	62		0
21	21	21	Apollin version of the Sun ceasing the	12	63		0
22	22	22	S. P. T. Conversions of all the Pla-	13	64		0
23	23	23	St. James ners would do the same, and	14	65		0
24	24	24	Anna though I could produce the	15	66		0
25	25	25	Martha Testimonies of many brave	16	67		0
26	26	26	Panthol Writers to prove the Admira-	17	68		0
27	27	27	Beatriz ble Power and Influence of	18	69		0
28	28	28	Abdon the Sun, I will content my	19	70		0
29	29	29	S. S. T. self with one sole Place of	20	71		0
30	30	30	Lammas Dionysius Arsopagita in his	21	72		0
31	31	31	Moses Book de divinis Nominibus	22	73		0
32	32	32	Dominic. who thus writes of the Sun,	23	74		0
33	33	33	Aristarch Loz. us colligit convertitq;	24	75		0
34	34	34	Fest. Nivit. ad se omnia, quae videntur,	25	76		0
35	35	35	Sixtus quae moventur, &c. His Light	26	77		0
36	36	36	G. S. P. T. gathereth and converts all	27	78		0
37	37	37	yrcarus things to himself, which are	28	79		0
38	38	38	Romanus seen, moved, illustrated, was	29	80		0
39	39	39	Lawrence hot, and (in a word) those	30	81		0
40	40	40	Thurpina	31	82		0

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things

August hath XXXI Days

- Full Moon the 7th. day half an hour past 2 Afternoon
- Last Quarter at 6 in the Afternoon the 15th day
- New Moon the 22d day at 6 in the Afternoon
- First Quarter the 29th day at 10 in the Morning

1 c	Lammas	sagit.	7 14	A 46	o 4 y some dr.
2 d	D n. Dex. H. O.	sagit.	21 12	25	fling rain at the be-
3 e	S. p. Trinit.	capr.	40 M	25	ginning, then fair
4 f	D n. Caud. vulc.	capr.	16 1	18	and hot for some
5 g	D n. Corn Ber.	capr.	29 2	12	days, and about the
6 a	D n. Luc. M.	aqua.	11 1	15	6th. or 7th. some
7 b	h x 25 R.	aqua.	24	15	showers, then fair
8 c	h x 2 R.	pisces	6 7	A 45	and hot weather
9 d	o o 16.	pisces	18 8	06	with o p q some
10 e	S. p. Trinit.	aries	08	27	St. Lawrence
11 f	q m 15	aries	12 8	48	bisk winds about
12 g	Sol in Virgo	aries	23 9	10	the 12th day
13 a	q m 12 R.	taur.	6 9	31	o o y with some
14 b	D n. Pleiades	taur.	18 9	56	drilling rain, then
15 c	D n. Alddbar.	gem.	0 10	30	hot weather is ex-
16 d	D n. Albaibr.	gem.	12 11	03	pected, and proba-
17 e	S. p. Trinit.	gem.	25 11	52	bly good Harve-
18 f	D n. Euc. P.	canc.	9 12	42	o h q weathe-
19 g	D n. Cast. & P.	canc.	32 0	M 42	these o o q day
20 a	D n. Alfelli	leo	07 1	51	without much al-
21 b	D n. Cor. Leo.	leo	21 3	04	teration, till after the
22 c	D n. Terg. Leo.	virgo	6	New	new Moon, then w
23 d	D n. Cau. Leo.	virgo	21 7	A 23	may expect shower
24 e	St. Bartholom.	libra	7 7	50	weather for severa
25 f	D n. Spica Vir.	libra	21 8	16	days, and about the
26 g	D n. Lanx Aust.	scorp.	6 8	44	27th some bris
27 a	D n. Lanx Bor.	scorp.	20 9	13	winds, and also upo
28 b	D n. Cor. Scor.	sagit.	4 9	50	the 29th day at
29 c	D n. Dex. F. O.	sagit.	18 10	28	o u o the en
30 d	D n. Sin Man	capric.	1 11	22	of the Month pro
31 e	S. p. Trinit.	capr.	13 12	17	duceth Rain.

Forin Account.
Baptists Account.

112 g
113 a
114 b
115 c
116 d
117 e
118 f
119 g
120 a
121 b
122 c
123 d
124 e
125 f
126 g
127 a
128 b
129 c
130 d
131 e
132 f
133 g
134 a
135 b
136 c
137 d
138 e
139 f
140 g
141 a
142 b
143 c
144 d
145 e
146 f
147 g
148 a
149 b
150 c
151 d
152 e
153 f
154 g
155 a
156 b
157 c
158 d
159 e
160 f
161 g
162 a
163 b
164 c
165 d
166 e
167 f
168 g
169 a
170 b
171 c
172 d
173 e
174 f
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178 c
179 d
180 e
181 f
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208 e
209 f
210 g
211 a
212 b
213 c
214 d
215 e
216 f
217 g
218 a
219 b
220 c
221 d
222 e
223 f
224 g
225 a
226 b
227 c
228 d
229 e
230 f
231 g
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242 d
243 e
244 f
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251 f
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253 a
254 b
255 c
256 d
257 e
258 f
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263 d
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267 a
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269 c
270 d
271 e
272 f
273 g
274 a
275 b
276 c
277 d
278 e
279 f
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283 c
284 d
285 e
286 f
287 g
288 a
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290 c
291 d
292 e
293 f
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299 e
300 f
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302 a
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305 d
306 e
307 f
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318 c
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342 f
343 g
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347 d
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351 a
352 b
353 c
354 d
355 e
356 f
357 g
358 a
359 b
360 c
361 d
362 e
363 f
364 g
365 a
366 b
367 c
368 d
369 e
370 f
371 g
372 a
373 b
374 c
375 d
376 e
377 f
378 g
379 a
380 b
381 c
382 d
383 e
384 f
385 g
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387 b
388 c
389 d
390 e
391 f
392 g
393 a
394 b
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396 d
397 e
398 f
399 g
400 a

August 1701

Saturn at the beginning is South a little after 2 in the Morning, at the end he is South between 12 and 1. Jupiter is South above an hour before him. Mars emergeth from the Sun beams and riseth before him. Venus and Mercury set after the Sun, but Mercury soon goeth to Combustion.

Foreign Account.
Roman Calendar.
Roman Saints days

12	g	Clara V.	things which are preserved	1	4	39	7	24
13	a	Hippolitus	by its Splendor : Wherefore	2		41		15
14	g	S. p. T.	the Sun is called <i>Heli</i>	3		42		18
15	c	Alum. v. m.	or that he collecteth and	4		44		16
16	d	Rochus.	gathereth together all things	5		46		14
17	e	Agapitus	dispersed. And a little after	6		48		12
18	f	Helena	he adds, <i>scilicet Sol hic quem</i>	7		50		10
19	g	Clinton R.	<i>videmus</i> , &c. If this Sun	8		52		8
20	a	Bernard	which we see, as touching the	9		54	7	6
21	b	S. p. T.	Esteems and Qualities of	10		56		4
22	c	Symphron	those things which fall within	11		58		2
23	d	Zacharus	our Sense, being very many	12	5	00	7	00
24	e	St. Bart.	and different, yet if he who	13	5	02	6	59
25	f	Ludovicus	is one, and equally bestows	14		3		57
26	g	Leverin.	his Light, doth renew, nou	15		5		55
27	a	Ruffus	rish, defend, perfect, & divide	16		7		53
28	b	T.	conjoin, cherish, make fruit-	17		8		52
29	c	Decol. I. B.	ful, encrease, change, fix,	18		10		50
30	d	Penix.	produce, move, and fashion	19		12		48
31	e	Paulinus	all living Creatures, and e-	20	5	14	6	46
1	f	Egidius	very thing in this Universe,	21		16		44
2	g	Anthony	at his pleasure is partaker of	22		18		42
3	a	Mamert	one and the same Sun, and	23		20		40
4	b	S. p. T.	the Causes of many things,	24		22		38
5	c	Moses	which participate of him, are	25	5	24	6	36
6	d	Magnus	equally anticipated in him :	26		26		34
7	e	Regina	Certainly by greater Reason,	27		28		32
8	f	Nat. V. M.	&c. The Sun therefore being	28	5	30		30
9	g	Gorgon	the Fountain of Light and	29		32		28
10	a	Sothhenes	Principle of Motion, God in-	30		34		26
11	b	S. p. T.		31	5	36	6	24

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tended

September hath XXX Days

- Full Moon the 6th day at 7 in the Morning.
- Last Quarter the 14th day at 8 in the Morning.
- New Moon the 21st day at 2 in the Morning.
- First Quarter the 27th day at 9 at Night.

1	♂ n. Caud. Vul. capr.	26	0	m	17		Windy with some
2	♂ n. Luc. M. ♀ aqua.	8	1		17	Moons seventh	showers at the be-
3	♂ n. Sini. H. ♀ capr.	21	2		17		ginning with some
4	♂ n. Dex. B. ♀ pisces	3	3		2		mist or drizzling rain
5	♂ n. Marchab	pisces	15	4	30		& ☉ h will alter
6	♂ n. Algenib	pisces	27		Full		the full Moon, then
7	♂ 2 S. p. T. in	aries	8	7	A	2	fair and good wea-
8	♂ n. prin * A	aries	20	7		21	ther is expected for
9	♂ n. L. in C V	taur.	2	7		4	several days with
10	♂ n. Manker	taur.	14	8		1	some foggy and
11	♂ n. Pleiades	taur.	26	8		3	misty mornings, o-
12	Sol in Libra	gem.	8	9		1	therwhiles some Δ
13	♂ n. Alhoit	gem.	21	9		50	♀ brisk & h ♀
14	♂ 2 S. p. T. in	canc.	4	10		4	winds, and continues
15	♂ n. Cast. & Pol.	canc.	17	11		4	windy with some
16	♂ n. Aselli	leo	0	12		51	drizzling rain about
17	Ember Week	leo	15	0	M	50	this time. Now
18	♂ X 22 R.	virgo	0	2		0	windy weather is
19	♂ 27 R.	virgo	15	3		29	also expected with
20	♂ 13	libra	0	4		53	forms of rain about
21	St. Matthew	libr.	15		No		the 23d day, alter-
22	♀ m. 6.	scor.	0	6	A	48	wards it is hoped w
23	♀ 5.	scor.	15	7		22	may have mor
24	♂ n. Cor. Scor.	sagit.	0	7		56	calm and moderat
25	♂ n. Dex. H. O.	sagit.	12	8		40	weather without
26	♂ n. Sin. Man. J	sagit.	27	9		23	much alteration, t
27	♂ n. Caud. Vult.	capr.	1	10		19	the end of the
28	♂ 2 S. p. T. in	capr.	23	11		16	month.
29	St. Michael	aqua.	5	12		21	
30	♂ n. in. Hu. ♀	aqua.	15	0	M	21	

Foran Account.
English Account.

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September 1701

English Account	Roman Calendar	Roman Saints days	Text	1	2	3	4	5	6	7	8	9	10	11	12
			Saturn at the beginning is South about Midnight. At the end he is South before 11 at Night. Jupiter is South above an hour before him. Mars and Mercury rise before the Sun. Venus sets far him.												
12	c	Maximin.	tending that at the Command	1	3	8	2								
13	d	Amatus	of Joshua all the World	2	4		0								
14	e	Exal. crucis	Systeme should continue many	3	4										
15	f	Nicomed.	ny hours in the same State.	4	4										
16	g	Edith	it sufficeth to make the Sun	5	4	6	1								
17	a	Lambert	stand still, upon whose stay	6	4	8	1								
18	b	S. p. T.	call the other, Conversion	7	5	0	10								
19	c	Januarius	ceasing) the Earth the Moon,	8	5	2	8								
20	d	Faula	the Sun, did abide in the	9	5	4	6								
21	e	St. Machar	same Consticution as before,	10	5	5	6	4							
22	f	Maritus	as likewise all the other Pla-	11	5	5	8	2							
23	g	Tecla Virg.	ners. Nor in all that time did	12	6	0	0	0							
24	a	Rupertus	the Day decline toward	13	2	5	5	8							
25	b	S. p. T.	Night, but it was miracu-	14	4		5	6							
26	c	Cyprian	lously prolonged: And in	15	6		5	4							
27	d	Cos. & Dan	this manner, upon the stand	16	8		5	2							
28	e	Wencesla.	ing still of the Sun, without	17	10		5	0							
29	f	St. Michael	altering, or in the least di	18	12		4	2							
30	g	Hierom.	sturbing the other Aspects	19	14		4	6							
1	a	Remigius	and mutual Positions of the	20	6	16	5	4							
2	b	S. p. T.	Stars, the Day might be	21	18		4	1							
3	c	Maximin.	lengthned upon Earth, which	22	20		4	0							
4	d	Francis	exactly agreeth with the li-	23	22		3	8							
5	e	Constance	teral Sense of the sacred	24	24		3	6							
6	f	Fides	Text. But that of which, if I	25	5	26	5	3							
7	g	Marc. &c.	be not mistaken, we are to	26	28		3	2							
8	a	Pelagia	make no small accounts, is,	27	30		3	0							
9	b	S. p. T.	that by the help of this Co-	28	32		3	8							
10	c	Gideon	pernican Hypothesis we have	29	34		3	6							
11	d	Burchard	B 4 the	30	6	36	2								

October hath XXXI Day

- Full Moon the 5th day betwixt 11 and 12 at night
- Last Quarter the 13th day at 8 at night
- New Moon the 20th day at 11 in the morning
- First Quarter the 27th day at 1 in the afternoon

1	a	Dn. Dex. Br.	pisces	0	1	M 27	☾ ☼ ☿ cloudy
2	b	Dn. Marchab	pisces	1	2	30	with ☿ h ☿ some
3	c	Dn. Aufl. C. C.	pisces	2	3	31	ists Δ h ☿ and
4	d	Dn. Algenib	aries	5	4	41	drilling * ☿ ☿ at
5	e	S. n. Tri.	aries	17	5	51	the beginning also
6	f	Dn. prin. * Ar.	aries	25	5	A 59	foggy about the Δ
7	g	Dn. Manker	taur.	11	6	23	☿ ☿ full Moon and
8	a	Dn. Pleiades	taur.	23	5	47	general very ☼ ☿
9	b	Dn. Aldebar	gem.	6	7	20	good weather Δ
10	c	Dn. Alhaist	gem.	18	7	53	☼ ☿ for the season
11	d	Dn. Luc. Ped.	canc.	0	8	43	of the Year which
12	e	S. n. Tri.	canc.	13	9	33	may probably con-
13	f	Sol in Scorpio	canc.	2	10	40	tinue till about the
14	g	Dn. Aselli	leo	10	11	48	last Quarter, then
15	a	Dn. Cor. Leo.	leo	24	0	07	Rain is expected,
16	b	Dn. Terg. Leo.	virgo	08	1	07	and plenty thereof
17	c	h X 20 R.	virgo	28	2	27	and continues wet
18	d	Sol. Lute	libra	8	3	50	for several days
19	e	S. n. Tri.	libra	23	5	14	with wind and Δ
20	f	☿ ☼ 27 D.	scorp.	8	6	57	☿ storms about the
21	g	☿ ☼ 2	scorp.	2	5	A 57	21st day, afterward
22	a	☿ ☼ 13	sagit.	8	6	37	'tis hoped we may
23	b	Term begins	sagit.	22	7	17	have more mild and
24	c	☿ m. 15	capr.	6	8	12	fair ☼ ☿ weather
25	d	Crispin	capr.	19	9	7	for some time, yet
26	e	S. n. Tri.	aqua.	2	10	10	foggy ☼ h ☿ with
27	f	Dn. Sin H.	aqua.	14	11	13	some drisling Rain
28	g	S. n. Tri.	aqua.	27	12	12	about the 28th day
29	a	Dn. Dex. Br.	pisces	8	0	M 18	and at the end high
30	b	Dn. Monhab	pisces	20	1	25	and cold winds
31	c	Dn. Algenib	aries	2	2	31	

Foreign Account.
English Account.

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20 31
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22 2c
23 3f
24 4g
25 5a
26 6h
27 7c
28 8d
29 9e
30 10f
31 11g

October 1701

Saturn about the middle of the Month is South between 9 and 10 at Night, and sets about 3 in the Morning. Jupiter is South above an hour before him. Mars riseth about 4 in the Morning, Venus sets about an hour after the Sun, Mercury at the beginning is Combust.

English Account.
Roman Calendar.
Roman Saints days

1	12	e	Colman	the littel, a pert, and natu-	1	6	38	5	22
2	13	f	Telemach	ral Sense of another particu-	2		40		20
3	14	g	Calixtus	lar that weread of in the same	3		42		18
4	15	A	Hedwig	Miracle, which is, that the	4		44		16
5	16	B	17 S. p. T.	Sun stood still in <i>M. dio Cael.</i>	5		46		14
6	1	c	Florent.	upon which passage, grave	6		48		12
7	8	d	St. Luke	Divine raise many Questions	7		50	5	10
8	9	e	Prolomy	in regard it seemeth very	8		52		8
9	20	f	Wendelin	probable. That when <i>Jeshua</i>	9		54		6
10	21	g	40, M. V	desired the lengthning of the	10	6	56	5	4
11	22	A	Cordutg	Day, the Sun was near set-	11		58		2
12	23	B	18 S. p. T.	ting, and not in the Meri-	12	7	00	5	00
13	24	c	Salome	dian, for if it had been in	13	7	2	4	58
14	25	d	Crispin	the Meridian, it being then	14		4		56
15	26	e	Amandus	about the Summer Solstice,	15		6		54
16	27	f	Ursula	and consequently the Days	16		8		52
17	28	g	St. S. & S.	being at the largest, it doth	17		10		50
18	29	A	Narcissus	not seem likely that it was	18		12		48
19	30	B	19 S. p. T.	necessary to pray for the	19		14		46
20	31	c	Wolfgang	lengthning of the Day, to	20	7	1	4	44
21		d	All Saints	prosecute Victory in a Battel	21		18		42
22	2	e	All Souls	the space of 7 hours and	22		20		40
23	3	f	Theophilus	more, which remained to	23		22		38
24	4	g	Amantius	Night, being sufficient for	24		24		36
25	5	A	Petronel	that purpose. Upon which	25	7	2	4	34
26	6	B	20 S. p. T.	graveDivines have been indu-	26		28		32
27	7	c	Florent	ced to think that the Sun	27		30		30
28	8	d	Severus	was never setting; and so the	28		32		28
29	9	e	Theodore	words themselves seem to	29		34		26
30	10	f	Martin P.	found, saying, <i>ne movearis</i>	30		36		24
31	11	g	Martin Ep.		Sol.	31	7	8	22

November hath XXX Days

- Full Moon the 4th day at 6 at night
- Last Quarter the 12th day at 6 in the morning
- New Moon the 18th day at 10 at night
- First Quarter the 26th day at 9 in the morning

10	All Saints	aries	14	3	M	34	Δ ○ ♄ cold
2	20 S. p. Trin.	aries	26	1		40	Wind * ♀ with
3	D n. Manker	taur.	8	5		44	some * ♂ ♀ show-
4	D n. Pleiades	taur.	20		Full		ers at the beginning
5	Gun Powd Plot	taur.	01	5	A	16	but after the full,
6	D n. Aldebar.	gem.	14	5		36	more rough and
7	D n. Alhaiot	gem.	26	5		35	turbulent Weather
8	D n. Luc. Ped.	canc.	10	7		30	then follows ☐ ○ ♄
9	21 S. p. Trin.	canc.	23	8		26	tr. sy ☐ h ♀ and
10	D n. Afelli	leo	7	9		30	sharp weather for
11	Sol in Sagit	leo	20	10		47	several days about
12	D n. Terg. Leo.	virgo	4	12		5	this time yielding
13	D n. Cand. Leo.	virgo	19	0	m	5	with some drizzling
14	D n. Vindemiar.	libra	4	1		24	Rain, Snow, Sleet,
15	D n. Spi. Virg.	libra	18	2		44	with some cold *
16	22 S. p. Trin.	scorp.	3	4		01	☐ ♀ storms about
17	D n. Lanx Bor.	scorp.	17	5		34	the new moon and
18	D n. Cor. Scor.	sagit.	2		N		continues windy *
19	h X 20 D.	sagit.	16	4	A	52	h ♂ and rough wea-
20	h	capr.	0	5		50	ther, then ☐ ♂ ♀
21	♂ = 21	capr.	14	6		44	follows close foggy
22	♂ 21	capr.	27	7		47	and rainy weather
23	♂ 21	aqua.	10	8		51	yet more mild
24	♂ 21	aqua.	23	9		58	than formerly, and at
25	D n. Dex. Brac.	pisces	5	1		06	the end is expected
26	D n. Manhab	pisces	17	12		09	temperate weather
27	D n. Algenib.	pisces	29	0	m	5	☐ ○ h for the
28	☐ m end	aries	10	1		11	Season.
29	D n. prim. V	aries	28	4		18	
30	S. Andrew	taur.	7	1		24	

Roman Calendar
Foreign Account.
English Account.

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November 1701

Saturn at the beginning is South about 8 at Night
 and sets betwixt 1 and 2 in the Morning, at the
 end he doth both about 2 hours sooner. Jupiter is
 South above an hour before Saturn. Mars riseth
 between 3 and 4 in the Morning. Venus and
 Mercury yet after the Sun.

English Account.	Roman Calendar.	Roman Saints days	Text	1	2	3	4	5	6	7	8	9	10	11	12
	11	12	Cunib. t	So ^l , ne me ueris, for if it had	1	7	39	4	21						
	12	13		been in the meridian either	2		41		19						
	13	14	Frederick	it had been needless to have	3		43		17						
	14	15	Leopold	asked a Miracle, or it would	4		45		15						
	15	16	Othmarus	have been sufficient, to have	5		46		14						
	16	17	Ilugo	only prayed for some retard-	6		48		14						
	17	18	Oct. Mart.	ment. Of this Opinion is Ca-	7		49		11						
	18	19	Elizabeth	jesan, to which subscribeth	8		51		9						
	19	20	22 S. p. T.	Magaglianes confirming it	9		52	4	8						
	20	21	Obl V. M.	by saying that Joshua had	10	7	54		6						
	21	22	Cecilia	that very Day done so many	11		55		5						
	22	23	Clement	other things before his com-	12		57		3						
	23	24	Chrisogon	manding the Sun, as were not	13		58		2						
	24	25	Catheria	possible to be dispatch'd in	14	8	00	4	06						
	25	26	Conradus	half a Day. Whereupon they	15	8	13		55						
	26	27	Advent	are forced to read the Words	16		3		57						
	27	28	Rufus	in Medio Cœli (to confess the	17		4		56						
	28	29	Saturn	truth) with a little harshness	18		6		54						
	29	30	St. Andrew	that they import no more	19		7		53						
	30	1	Longinus	chap this, that the Sun stood	20	8	83		52						
	1	2	Libanus	still being in our Hemisphere	21		9		51						
	2	3	Cassian.	that is, above the Horizon	22		10		50						
	3	4	25. Adver	But (if I do not err) we shall	23		11		45						
	4	5	Sabina	avoid that and aliother harsh	24		12		46						
	5	6	Nicholas	Expositions, if according to	25	8	13	3	47						
	6	7	Agath. M.	the Copernican Systeme, we	26		14		46						
	7	8	Con. V. M.	place the sun in the midst	27		15		45						
	8	9	C. prian	that is, in the Center of the	28		15		45						
	9	10	Miltiades	Celestial Orbs, and of the	29		16		44						
	10	11	S. Advent		30	13	16	3	44						

- Full Moon the 4th day at 11 in the Morning.
- ☾ Last Quarter the 11th day at 4 in the Afternoon.
- New Moon the 18th day at 11 in the morning.
- ☾ First Quarter the 26th day at 6 in the Morning.

1 f	D n. Manker	aur.	17	4 M	32		Cold cloudy &
2 g	D n. Pleiades	taur.	29	5	36	☾ rising.	close at the begin
3 a	D n. Aldebar.	gem.	31	6	40		ning with some brisk
4 b	D n. Alhiast	gem.	24	Full	44		Winds about the 4
5 c	D n. Luc. Ped.	canc.	7	5 A	9		Day ☾ ☉ ☽: then ex
6 d	D n. Cast. & Po.	canc.	20	6	10		pect Foggy, Misty,
7 e	S. in Advent	leo	4	7	12	☾ rising.	and Rainy Weather,
8 f	D n. Aust. in C.	leo	17	8	28		then follows Δ ♀
9 g	D n. Cor. Leo.	virgo	1	9	44		windy ☐ ♀ and
10 a	D n. Caud. Lao.	virgo	14	11	00	Moons rising	Rain, afterwards
11 b	S. in Capri.	virgo	29	12	15		fair weather with
12 c	D n. Vindemi.	libra	13	0 M	15		moderate frosts for
13 d	D n. Spica Virg.	libra	26	1	35		* ☉ ♀ some
14 e	S. Advent	scorp.	17	2	56		* ♀ ☉ days, but
15 f	♂ ♀ 21	scorp.	26	4	13		about the 15th day,
16 g	♂ ♀ 3	sagit.	10	5	31		high Winds and
17 a	Ember Week	sagit.	24	6	46		stormy weather is
18 b	♂ ♀ 8	capric.	8	New	5		* ☉ ☽ expected
19 c	♀ ♀ 23	capric.	22	5 A	14		and after the new
20 d	♀ ♀ 18	aqua.	6	6	24		moon frosty, with
21 e	S. Thomas	aqua.	18	7	3	☾ rising.	some mists about
22 f	D n. Dex. Bo.	pisces	1	8	37		the 22d day, then
23 g	D n. Mochoab	pisces	13	9	4		follows a sharp Air
24 a	D n. Caud. C. P.	pisces	25	0	47		and about ☐
25 b	S. Naty. Christ	aries	7	1	52		the 26th day high
26 c	S. Stephen	aries	18	12	57		Winds with Snow
27 d	S. John	taur.	0	0 M.	57		or cold Rain and
28 e	Innocent	taur.	12	2	2		right winterly Wea
29 f	D n. Pleiades	taur.	24	3	9		ther to the ☉
30 g	D n. Aldebar	gem.	7	4	15		♀ end of the Year
31 a	D n. Alhiast	gem.	26	5	18		

Roman Calendar
Foreign Account
English Account
Rom. Saints days
 Saturn at the beginning is South about 6 at Night, and sets betwixt 11 and 12, at the end he sets betwixt 9 and 10, — Jupiter sets about an hour before him. Mars riseth about 3 in the Morning. Venus at the end sets a little after 8 at Night. Mercury riseth at the end before the Sun.

1	12	c	Valerius	Planerary Conversions, as it	1	8	17	3	43
2	13	d	Lucia V.	is most requisite to do. For	2		17		43
3	14	e	Nicasius	supposing any Hour of the	3		18		42
4	15	f	Abraham	Day (either Noon, or any o	4		18		42
5	16	g	Ananias	ther, as you shall please near	5		18		42
6	17	a	Lazarus	er to the evening) the Day	6		18		42
7	18	b	4 S. Advent	lengthened and all the Ce	7		19		41
8	19	c	Loth	lestial Revolutions stayed by	8		19		41
9	20	d	Annuon	the Suns standing still in the	9		19		41
10	21	e	St. Thoma	midst, that is in the Centre	10	8	19		41
11	22	f	30 Marc.	of Heaven, where it resides	11		19	3	41
12	23	g	Victor	a sense so much the more	12		19		41
13	24	a	Adam & E.	a commodate to the Letter	13		19		41
14	25	b	St. Ima	(beside what hath been said	14		18		42
15	26	c	St. Steph	already) in that if the Text	15		18	3	42
16	27	d	St. John	had desired to have affirmed	16		18		42
17	28	e	Innocent	the Suns rest to have been	17	8	17		43
18	29	f	Jonathan	caused at Noon-day, the pro	18		17		43
19	30	g	David	per expression of it had been	19		16		44
20	31	a	Silvester	to say, it stood still at Noon	20	8	16	3	44
21		b	Circumcis	day or in the Meridian Cir	21		15		45
22		c	Abel	cle, and not in the midst of	22		15		45
23		d	Enoch	Heaven: In regard that the	23		14		46
24		e	Methusal.	true and only middle of a	24		14		47
25		f	Simeon	Spherical Body (as is Hea	25	8	13	3	47
26		g	Epiphany	ven) is the Centre. He	26		12		48
27		a	Julian	hath said much more, as al	27		11		49
28		b	JS. S. Epip	so hath Kepler, and many	28		10		50
29		c	Manellin	others upon the said	29		9		51
30		d	Agathon	Subject, but here is	30		8		52
31		e	Hyginus	not room to enlarge.	31	8	7	3	53

TABLE showing how many Years purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

The Use and Explanation of the T A B L E.				Years of Lease.	Years.	Months.	10th parts.
The first Column towards the left Hand sheweth the Years of a Lease, or Annuity, and right against each Year is the Years, Months, and Tenth Parts of a Months purchase, that such a Lease or Annuity is worth. Example:				17	10	5	8
Suppose a Lease or Annuity to continue 12 Years, and you would know how many Years purchase it is worth in present Money, look in the Table for Twelve Years of a Lease to the left Hand, and against the same you shall find 8, 4, 6, which sheweth that such a Lease is worth 8 Years, 4 Months, and 6 Tenth parts of a Months Purchase.				18	10	9	3
1	2	2	1	19	11	1	9
2	3	5	9	20	11	5	7
3	4	2	5	21	11	9	3
4	6	4	11	22	12	0	5
5	7	5	7	23	12	3	6
6	8	6	2	24	12	6	6
7	9	6	9	25	12	9	4
8	10	7	4	26	13	0	0
9	11	7	10	27	13	2	0
10	12	8	4	28	13	4	9
11	13	8	10	29	13	7	1
12	14	9	3	30	13	9	2
13	15	9	8	31	13	11	1
14	16	10	1	32	14	1	0

A G A I N:

If you are to take or buy the Reversion of any Lease or Annuity, work thus; Suppose the Lease to be Thirty Years in all you find in the Second Table and Right Hand against Thirty 3 Years, 9 Months, and 2 Tenth Parts of a Months Purchase this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence look in the Table against the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchase Take this out of the Sum against Thirty, which is, 13, 9, 2, the remainder is 8, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after five Years worth, the Remainder of Thirty Years

This is Useful, and very Easy.

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The Second Part.

Containing the Eclipses ; the Suns Quarterly Ingresses, the Southing of the seven Stars for every 5th. day of this Year : With directions for finding the Rising, Southing, and Setting of several Fixed Stars ; Also Rules and Tables for the measuring of Board, Glafs, Pavements, or other Superficial measure ; as also to Measure Timber ; And other things worth Observation.

The Characters of the Twelve Signs, and what parts of the Body they are said to govern.

Aries, Head & Face ; ♉ Taurus, Neck & Throat ; ♊ Gemini, Arms & Shoulders ; ♋ Cancer, Breast & Stomach ; ♌ Leo, Heart & Back ; ♍ Virgo, Bowels & Belly ; ♎ Libra, Reins & Loins ; ♏ Scorpio, Secrets ; ♐ Sagittary, Thighs ; ♑ Capricorn, Knees ; ♒ Aquarius, Legs ; ♒ Pisces, the Feet.

The Characters of the Planets, with the Dragons Head and Tail,
♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☾ Moon, ♁ Dragons Head, ☿ Dragons Tail.

The Aspects.

Conjunction, * Sextile, □ Quartile, △ Trine, & Opposition

Brief Chronology of Memorable things, to this Year, 1701.

T he Creation of the World	5650
Noahs Flood	3994
The destruction of Sodom and Gomorrah	3603
The destruction of Troy	2883
Brute entred this Island	2808
The Building of London	2808
The Building of York	2690
The Building of Leicester	2644

Since

The building of *Canterbury*
 The building of *Stamford*
 The building of *Rome*
 The destruction of *Jerusalem* by *T. Vesp.*
England first received the Christian Faith
 The Tower of *London* built
 Duke *William* conquered *England*
Westminster Hall was built
 The Bible divided into Chapters
 The Invention of Guns
 The Art of Printing
St. Pauls Steeple fired by Lightning
 New Star in *Cassiopeia*
 A great Snow fell *Feb. 4.*
Tilbury Camp on *St. James's* day
 A Plague in *London*, whereof dyed 30598
 Gunpowder Treason, *November 5.*
 A great Snow, and *Smithfield* paved
 A great Plague in *London*, whereof dyed 35418
 The Long Parliament began, *November 3.*
 King *Charles* the First was Murdered
 Two Comets appeared in *December* and *March*
 The doleful Plague that followed them
London was burnt, *September 2, 3, 4, 5*
 The last great Snow
 The wonderful Comet in *December*
 A Comet in *August*
 The terrible Fire in *Wapping*, *November 19.*
 A great Earthquake, *October* the 6th
 The last great Frost
 The Rebellion in the *West*
 The seven Bishops sent to the Tower, *June*
 The Prince of *Orange* Landed, *November 5.*
 King *William* went to *Ireland* with an Army, *June*
 The *French* Fleet beaten by the *English* and *Dutch*, &c.
 Our Most Gracious Queen *Mary* Dyed, *Dec. 28.*
 The Horrid Conspiracy to Assassinate His Majesty King
William, and to bring in th *French*, was happily disc.
 The Peace concluded with *France*

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Of the Eclipses this Year 1701.

There will happen to the Inhabitants of this Terraqueous Planet whereon we live, Four Luminarian Eclipses, viz. Two of the *Sun*, and two of the *Moon*. They happen as followeth.

The first is of the *Sun*, *January* the 27th, near midnight, and therefore not visible unto us: But to our *Antipodes* it will appear very great, nearly Central. It will appear also very great about *Zelandia Nova*, and to many Islands of the *South Sea*.

The second is an Eclipse of the *Moon*, the 11th day of *February*, a little after 11 of the Clock at Night: The Calculation followeth.

February the 11th day, at 11 Hou. 20 min. 34 sec. P. M.

	deg.	'	"
The Place of the <i>Sun</i> is	X	4	13—13
The place of the <i>Moon</i> is	m	4	13—13
Argument of Latitude	o	9	09—40
The Latitude of the <i>Moon</i> North ascending		47	42
Reduction substract		02	12
Time of Reduction added		03	43
Correct Time of Opposition, <i>Febr.</i> 11th at 11 Hours		24	17
Equation of Time substract		14	10
Apparent Time at <i>London</i> , at		11 Hours	10—07
Difference of Meridians substract		04	00
Apparent Time at <i>Leicester</i> , at		11 Hours	06—07
Semidiameter of the <i>Moon</i>		16	29
Semidiameter of the Earth's shadow		44	52
Sum of the Semidiameters		61	21
<i>Moon's</i> Latitude substract		47	42
Rests parts deficient		13	39
Digits Eclipsed are	4 digits	58	30
Minutes of Incidence		38	36
Time of Incidence	1 Hour	05	09
Interval of the Opposition and grearest Obscuration		07	00
The Beginning at	9 Hours	53	58
The middle of the Eclipse at	10	59	07

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The end of the Eclipse at	12 Hours	04—15
The total duration	2	10—18
Moon's Latitude at the beginning, North ascending	—44—09	
Moon's Latitude at the end, North ascending	—51—16	

A Type of the Eclipse, Febr. 11. at 11 at Night.



The third Eclipse is of the *Sun*, *July* the 24th, about 9 of the Clock in the morning, yet not visible to us in *England*, nor to any part of *Europe*, by Reason of the Moon's Parallax and Latitude being both South, by which she is so far depressed, that she interposeth not betwixt the *Sun*, and any part of *Europe*: But it will be very great to all the Southern parts of *Africa*, about the *Cape of Good Hope*, on the Coasts of *Cassaria*, *Zanguebar*, the North parts of *Madagascar*, from thence toward the *East-Indies*.

The fourth Eclipse is a small Eclipse of the *Moon*, *August* the 7th, about 2 of the Clock in the Afternoon, and therefore not visible unto us. It is not more than 2 digits Eclipsed, and will be visible to our *Antipodes*, and to great part of *America*.

Of Eclipses of the *Sun*, *Astrologers* say, That, in *decem* *mensibus gradibus*, *Latrocinia publica*, *facta*, *rapinas*, *Terra motusq;* & *Fames committatur*. Et in *secundo denario Regis*, *Magnatum*, & *procerum*, *anxietates*, & *detrimenta*, *minuitur*. Of Eclipses of the *Moon*, they say, In *decano primo*, *egrotationes Regum* *inducit*, *atque hominum varias discordias & seditiones*. The late 20 Years *Ephemerides* by Mr. *Gadbury*, saith, That the Eclipse of the *Sun* upon the 24th of *July* will be visible unto us; that above half

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the Sun's Body will be darkened ; but Time will prove the contrary. The last Eclipse of the Moon is very small, and being visible only to very remote parts, and not to us, the effects thereof will little concern us.

Of the Four Quarters of the Year, and first of the Spring.

THE Spring Quarter this Year (according to the *Caroline Tables*) begins the 9th day of *March*, 7 ho. 24 min. 45 sec. Afternoon, in the Meridian of *London*, and 4 min. sooner at *Licetster* ; the *Sun* then entring *Aries*, (or the *Earth Libra*) maketh equal day and night to all the *Earth*, (except under the *Poles*). Now as the *Days* and *Nights* are of equal length, so is there an equality in the temper of the *Air*, whereby the *Pores* of the *Earth* are relaxed, and a vivifying Fume evaporating, ascendeth by the cold and chillified *Roots* of *Herbs* and *Plants*, and produceth their vegetable Life. This Quarter generally is hot and moist, and if it prove otherwise, it bringeth Diseases and dangerous Distempers. Such persons as are naturally Melancholy, do enjoy their Healths best this Quarter ; the Sanguine, the contrary. Such Diseases as proceed from excess and putrefaction of Blood are most dangerous ; but such as have their original from Melancholy are less hurtful. In *March* be not too busy in purging or bleeding, but rather bathe, and use such meats and medicines as purge and sweeten the blood. In *April* you may freely bleed, bathe or purge, if there be occasion. In *May* it is wholesome to drink Clarified Whey. Now Drink but little Wine ; and forbear such Meats as are of a hot Quality.

Of Summer.

THis Quarter begins *June* 10. at 8 ho. 32 min. 4 sec. Afternoon, in the Meridian of *London*, the *Sun* then entring the Tropical Sign *Cancer*, (or the *Earth Capricorn*) maketh the longest Day and shortest Night to all on this side the Equator. This Quarter naturally is hot and dry ; persons of phlegmatick Constitutions are now best in Health, and the Cholerick the contrary. Ancient people do now revive, but young people languish through excess of Blood, and are thereby much exposed to Fevers, especially the Tertian. In *June* abstain from such meats as ingender raw, crude and moist humours. In *July* beware of bleeding or purging, unless there be great necessity ; beware also of eating such meats as ingender Melancholy, and

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of taking Cold. In this and the next Month refrain immoderate Exercise and Venery, and drink not much Wine; for now it dryes the Stomach and Liver, & doth too much increase Choler.

Of Autumn.

THis Quarter begins *September* 12. 12 min. 11 sec. after 10 in the morning, the Earth then entring *Aries*, or the Sun *Libra*, again maketh equal Day and Night. This Quarter is naturally cold and dry, resembling Melancholy. Youth is now lively. Persons of moist and phlegmatick Constitutions are now best in Health, the Melancholy the contrary. In *September* eat moderately of all such Meats and Fruits as your Stomach desires. In this Month or the next you may bleed or purge if there be occasion; but in *November* Melancholy increaseth, and Blood decreaseth. Now Salt or powdered Meats may be eaten without prejudice. Roasted meats, and Wild Fowl, are now held to be very wholesome. In this Quarter beware of taking Cold.

Of Winter.

Winter Quarter begins *December* the 10th, 11 ho. 41 min. 24 sec. afternoon, in the Meridian of *London*; but 4 min. sooner at *Leicester*, the Sun then entring *Capricorn*, maketh our shortest Day and longest Night. This Quarter naturally is cold and moist. Young and cholerick people are now best in Health, but aged and phlegmatick the contrary. In *December* Melancholy and Phlegm do much increase. 'Tis not now good to bleed or purge, unless there be great occasion. To drink Wine now and then, and to use good Spices in your Diet is very good. The same observe in *January*. In *February* you may take Pills to purge the Head. Bathe or Bleed, if there be occasion.

IN my last I mentioned a vicissitude in Years as to great Wet great Droughts, &c. After many cold and wet Summers, we have now had two Summers dry enough, at sometimes we have thought them too dry; this may possibly prove wet enough, if not at some times too wet. In *June* all the Planets are in Watry Signs, and the two Superiours become stationary to Retrogradation. I know that a dropping *April* and *June* are seasonable (if it be not to excess) and a windy and dry *May* betwixt. I have some fear of an unseasonable Harvest. We have had a very seasonable and plentiful one the last Year.

and all sorts of Grain are at a Reasonable Price, and generally good : To store up a little against a Blast, or Storm, will be no bad Husbandry. 'Tis generally Wet that injures Corn in these parts : But on the contrary, dry Years cause both plenty, and maketh it good, as at present ; unless the Drought be very excessive, which is not much to be feared this Year.

Note, that the Author of *Trigg's* last Years *Almanack* (whether it was Mr. *Gadbury* or not, I cannot affirm) pretending to set the *Moon's* Rising and Setting, hath made such very gross Mistakes, as one would think, that none that knoweth what the New or Full Moon meaneth, could be guilty of the like ; he is very often 3 hours, and above, from the Truth : But that which is the most apparently absurd, is the making the *Moon's* Setting, for 4 or 5 Nights after the Change, to be still before the *Sun's* ; and for 4, 5 or 6 Nights after the Full *Moon*, to make her still Rise before *Sun-set*, as may be seen in the Months of *May*, *June* and *July* : But in *January*, *November* and *December*, as much in the other extrem. Then the very next Night after the New *Moon*, her Setting is made 4 or 5 hours after the *Sun's* ; and her Rising the very next Night after the Full, is not till 4 or 5 hours after *Sun-set*. These are such Blunders, as I cannot imagine, could be made by any that pretends to make an *Almanack*, (except Mr. *Gadbury*.) They resemble so very much the Figure set for the *Sun's* Entrance into *Capricorn*, *December* 1695, and there is also such great agreement betwixt *Trigg* and *Gadbury* in the Year 1699, in several particulars, that I can think no other but they are done both by the same hand : If so, what can we think of the so much boasted of, and long expected *Ephemerides*, if e're they appear, (unless happily he hath had better assistance in them, than in these his Annual Labours) but to meet with plenty of Inartificial and Erroneous Calculations. But of this no more at present, Time will discover, &c.

To find the Rising, Southing and Sitting, of several fixed Stars hereafter mentioned.

IN the Tables following you have first the seven Stars Southing for every fifth day : in the second Table is set the difference betwixt the Southing of those Stars therein named, and the seven Stars, which being added to the times of the seven Stars Southing,

giveth theirs. In the same Table is also set their Semidiurnal Arches thereby to find the rising and setting of the said Stars. Suppose it is required to know what time the great Dog-star called *Syrus* will be South the 11th. of *February*? I then find the Seven Stars South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference annexed to the great Dog-Star, and it makes 8 ho. 12 min. being the time of its Southing the said 11th. of *February*. If to the Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives the time of its setting at 12 ho. 43 min. but if you substract the Semi-diurnal Arch from the Southing it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes, The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferior in light, and bigness are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter mentioned, Note, that the great Dog-star, Lions Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Aff*, which are small Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1701.

Moneths	Dayes of the Moneth.											
	I		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 12
February	5	A 49	5	29	5	10	4	51	4	32	4	14
March	4	A 03	3	41	3	23	3	42	2	46	2	28
April	2	A 71	1	48	1	30	1	11	0	52	0	32
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 89	9	47	9	26	9	68	8	45	8	25
July	8	M 57	7	45	7	24	7	46	6	45	6	25
August	6	M 35	5	45	5	26	5	84	4	49	4	31
September	4	M 16	3	52	3	34	3	17	3	02	2	41
October	2	M 22	2	31	1	44	1	25	1	50	0	46
November	0	M 27	0	21	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 49	9	26	0	48	8	41	8	20

A Table

SENDER, 1701.

A Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

Names of the Stars.	Diff. south.		semid. Arches		Names of the Stars.	Diff. south.		semid. Arches	
	h.	m.	h.	m.		h.	m.	h.	m.
Aldebaran B. eye	0	49	7	28	Lions heart, Basil.	6	23	7	13
2d. in Orions Girdle	1	51	5	54	Virgins Spike	9	40	5	9
Gr. Dog. Sirius	3	24	31	31	Arcturus	10	32	8	6
Castor 1st. head II	3	46	9	47	South ballance	11	54	40	40
1st. Dog. Procyon	3	54	6	32	North ballance	11	31	5	16
Pollux, 2d. head II	3	57	9	4	Northern Crown	11	52	8	55
Northern Afl.	4	56	8	12	bright * Lyrae	14	57	sets not	
Southern Afl.	4	58	7	49	bright * Vulturis	16	66	43	

Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.

For the Mensuration of superficial or flat measures, such as Board, Glass, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parallelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

I. How to measure a Square.

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 6 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter, See the Margin.

$$\begin{array}{r}
 66 \\
 66 \\
 \hline
 396 \\
 396 \\
 \hline
 4356 \\
 4356 \\
 144 \\
 \hline
 30 \\
 432 \\
 36
 \end{array}$$

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II. To measure the Long-square or Parallelogram.

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

72
12
144
72
864

III. To Measure a Long Superficies, which is broader at one end than at the other.

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

72
42
144
288
3024
144
288 (21)
144

IV. How to Measure Triangles.

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All Trapezias, or Figures with four unequal sides ; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. How to measure Circles, and parts of Circles.

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore

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The Diameter being given to find the circumference, you must multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, suppose the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whose Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide by 22, and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and $\frac{2}{11}$ or $\frac{1}{5.5}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19 $\frac{2}{11}$ the half whereof is 9 $\frac{1}{11}$, by which multiplying 30, the product will be 286 $\frac{4}{11}$ which is the superficial content of such a Circle; or,

By the Diameter to find the Area of the circle. First, Square the Diameter, multiply the square by 11, and divide the product by 14, the Quotient is the superficial content of the circle: Let the Diameter be as above 19 $\frac{1}{11}$ the square whereof is 376 $\frac{1}{11}$ this multiplied by 11 produceth 4009 $\frac{1}{11}$ which being divided by 14 the Quotient is 286 $\frac{4}{11}$ as above, being the superficial content of such a circle.

To measure the superficial content of half the circle, the quarter of a circle, or of any other section of a circle, more or less, having the semidiameter given.

Multiply half of the compass thereof by the semidiameter of the circle, so shall you have the content.

Of the Mensuration of Solids.

AS Plain or Superficial Measure consisteth of two dimensions, namely, length and breadth; so Solid measure consisteth of three dimensions, namely, length, breadth and thickness.

To measure any kind of Timber, either Square, Triangular, Round, or of any other Fashion, provided it be straight and equal all along.

Cast up the superficial Content at the end thereof, by the rules before going, for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multiplied

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plied by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other solid matter) whose breadth is 18 inches, its depth 13 inches, and length 142 inches, to find how many solid feet are contained therein. First, multiply the breadth 18 by the depth 13, the product is 234, being the superficial inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the solid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one solid foot) and the quotient will be 19, and 396 inches remaining, which is 19 solid feet, and almost a quarter of a foot, and so much is the solid content of such a piece.

A 2d Example of a round piece. Let there be a round piece of Timber whose compass is 60 inches, and the length 20 feet, (240 inches) and let it be required to find the solid content thereof. First, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, so shall you find the Diameter to be 19. Then by either of the ways before taught, viz. by multiplying the circumference by $\frac{1}{2}$ the Diameter; or by (squaring, or) multiplying the Diameter in it self, and multiplying that square by 1, and dividing the product by 14, the superficial content of the end of such a piece will be found to be $286\frac{4}{7}$ inches. Now multiply this $286\frac{4}{7}$ by the length of the piece 240, and the product will be $68727\frac{2}{7}$ the content in inches, which being divided by 1728, the quotient will be 39 feet, and $\frac{3}{4}$ of a foot, and 39, $\frac{3}{4}$ inches remaining, which is the solid content of such a piece of Timber. But had this piece of Timber been measured by that egregious false way of taking $\frac{1}{4}$ part of the Girt for the side of the square equal, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot, which is above $\frac{1}{4}$ part less than the truth, it being 39 feet, & above

In behalf of that erroneous way many do plead, that in round Timber there is great loss in chipping to bring it near a square; therefore that way may be allowed; but this is very unequal, in great Timber there being little loss, in small Timber much; let therefore the quality be considered, rather than make such unequal amends by a false quantity.

Of the Mensuration of Tapering Timber, either round or squared, such as Frustrums of Cones and Pyramids.

First find the superficial Area of each end of the piece, and multiply the one Area by the other. Secondly, out

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the product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the lesser end will be 154: These multiplied together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplied itself produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be 731 $\frac{1}{2}$. Lastly, multiply 731 $\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 128, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

To find the Content of Tapering Timber, other ways than is taught above.

Now multiply These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that which is wanting, for that part being subtracted from the whole, the remainder must be the Content of the part required. Now the way to find the content of a Cone or Pyramid is, multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, As the difference between the sides, or Diameters of the two ends, to the length bearing a square ratio; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, the greater end is 66 inches about, and the lesser end 44; the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give? Answer, 60 being the whole length of the Cone; Now the superficial content

piece, and
ndly, out

content of the Base of this Cone, (being $346\frac{1}{2}$ inches) multiplied by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 160, being multiplied by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring Squared or Round Timber, which is supposed to be equal along: Their use is thus, seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid foot of any Square Stone or Timber: The side of the Square being given in inches, from one inch to 36 inches square.

Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.
Inch.	Fe. inc. 10ths	Inch.	Inc. 10th.	Inch.	Inc. 10th.
1	144 0 0	13	10 2	25	8 8
2	36 0 0	14	8 8	26	2 6
3	16 0 0	15	7 6	27	2 3
4	9 0 0	16	6 7	28	2 2
5	5 9 2	17	5 9	29	2 1
6	4 0 0	18	5 3	30	1 9
7	2 11 2	19	4 8	31	1 8
8	2 3 0	20	4 3	32	1 7
9	1 9 3	21	3 9	33	1 6
10	1 5 3	22	3 5	34	1 5
11	1 2 3	23	3 3	35	1 4
12	1 0 0	24	3 0	36	1 3

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A Table shewing how many inches in length will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compass to 100.

Com. len. of a foot			Com. len. of a foot			Com. len. of a foot		
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	76
17	75	14	47	9	83	77	3	66
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	42	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	74
30	24	13	60	6	03	90	2	68
31	22	60	61	5	84	91	2	62
32	21	21	62	5	65	92	2	57
33	19	92	63	5	47	93	2	51
34	18	78	64	5	30	94	2	46
35	17	74	65	5	14	95	2	41
36	16	76	66	4	98	96	2	36
37	15	86	67	4	84	97	2	31
38	15	04	68	4	70	98	2	26
39	14	28	69	4	56	99	2	22
40	13	57	70	4	43	100	2	17

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From *Leesthorp* near *Melton-Mowbry*, in the County of *Leicester*, Sept. 30. 1700.

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